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Kerry Champion

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EXAMINER

MIRZA, ADNAN M

ART UNIT

PAPER NUMBER

2445

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/015,501	<b>Applicant(s)</b> CHAMPION, KERRY	
	<b>Examiner</b> ADNAN M. MIRZA	<b>Art Unit</b> 2445	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) ☒ Responsive to communication(s) filed on 27 October 2008.

2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) ☒ Claim(s) 1-56 is/are pending in the application.

    4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.

6) ☒ Claim(s) 1-56 is/are rejected.

7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.

8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All    b) ☐ Some \*    c) ☐ None of:

1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 10/27/2008

4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_

5) ☐ Notice of Informal Patent Application

6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-56 are rejected under 35 U.S.C. 103(a) as being unpatentable over Szabo (U.S. 7,395,349) and further in view of Dick et al (U.S. 7,464,154).

As per claims 1,17,33,41-42,53-54,56 Szabo disclosed traffic manager for facilitating communication in accordance with at least one policy between a client node and a server node wherein the client node and the server node have at least one policy between a client node and a server node have at least one distinguishing characteristic includes more than having distinguishing network addresses the server node having a first interface associated therewith (col. 10, lines 5-15), the client node having an existing interface associated therewith, the traffic manager capable of communicating with both the client code and the server node and comprising a central processing unit which is operable to: communicate with the server node via the first interface, (col. 10, lines 46-60).

However Szabo did not disclose in detail wherein the first interface is incompatible with the existing client interface because of the at least one distinguishing characteristic; generate at least

a second interface for communication with the first interface; in accordance with at least one policy; wherein the at least one policy provides a mechanism to bridge the at least one distinguishing characteristic and publish the second interface thereby allowing the client node to access at least one service on the server node in accordance with the at least one policy.

In the same field of endeavor Dick disclosed, SOAP is a way for a program running in one kind of operating system to communicate with a program in one kind of operating system to communicate with a program in the same or another kind of an operating system by using the World Wide Web's Hyper-text (XML) as the mechanisms for information exchange. Since the Web protocol are installed and available for use by all major operating system platforms, HTTP and XML provide an already at-hand solution to the problem of how programs running under different operating systems can communicate with each other. SOAP specifies exactly how to encode an HTTP header and an XML file so that a program in one computer can call a program in another computer and pass it information (col. 11, lines 16-30).

It would have been obvious to one ordinary skill in the art at the time of the invention was made to have incorporated SOAP is a way for a program running in one kind of operating system to communicate with a program in one kind of operating system to communicate with a program in the same or another kind of an operating system by using the World Wide Web's Hyper-text (XML) as the mechanisms for information exchange. Since the Web protocol are installed and available for use by all major operating system platforms, HTTP and XML provide an already at-hand solution to the problem of how programs running under different operating systems can

communicate with each other. SOAP specifies exactly how to encode an HTTP header and an XML file so that a program in one computer can call a program in another computer and pass it information as taught by Dick in the method of Szabo to provide a practical way for user communication devices to carry out real-time transactions and communications on such devices and processing of such transactions with a remote source such as an enterprise network server.

3. As per claims 2,18,34,43,55 Szabo-Dick disclosed wherein the first and second interfaces comprises Simple Object Access Protocol (SOAP) interfaces (Dick, col. 11, lines 16-30).

4. As per claims 3,19 Szabo-Dick disclosed wherein the SOAP interfaces employ Extensible Markup Language (XML) (Dick, col. 11, lines 16-30).

5. As per claims 4,20,35 Szabo-Dick disclosed wherein each of the first and second interfaces has a description language file associated therewith defining the associated interface (Dick, col. 18, lines 36-46).

6. As per claims 5,21,36 Szabo-Dick disclosed wherein the first interface corresponds to one of HTTP, TCP, HTTPS, HTTPR, and MQ (Dick, col. 18, lines 4-17).

7. As per claims 6,22 Szabo-Dick disclosed wherein the distributed computing environment includes a network corresponding to a single enterprise including the server node, and wherein the client node is external to the network (Szabo, col. 8, lines 49-64).

8. As per claims 7,23 Szabo-Dick disclosed wherein the distributed computing environment includes a network corresponding to a single enterprise and including both the client and server nodes (Szabo, col. 9, lines 27-37).

9. As per claims 8,24,40,44 Szabo-Dick disclosed wherein the at least one policy includes requiring authorization by a human operator for invocation of the at least one service (Dick, col. 11, lines 16-30).

10. As per claims 9,25,41,45 Szabo-Dick disclosed wherein the at least one policy includes mapping an organizational role to a person (Dick, col. 11, lines 16-30).

11. As per claims 10,26,46 Szabo-Dick disclosed wherein the mapping of the organizational role to the person is done using an LDAP directory associated with the distributed computing environment (Dick, col. 12, lines 54-61).

12. As per claims 11,27,37,47 Szabo-Dick disclosed wherein the at least one policy is a security policy (Dick, col. 9, lines 15-24).

13. As per claims 12,28,48 Szabo-Dick disclosed wherein the security policy is associated with encryption or decryption of at least a portion of data which is exchanged between the client and the server (Dick, col. 9, lines 15-24).

14. As per claims 13,29,49 Szabo-Dick disclosed wherein the security policy is associated with generating or verifying at least one digital signature for at least one portion of data which is exchanged between the client and the server (Dick, col. 10, lines 24-31).

15. As per claims 14,30,38,50 Szabo-Dick disclosed wherein the security policy is associated with protection against service attacks (Dick, col. 9, lines 15-24).

16. As per claims 15,31,39,51 Szabo-Dick disclosed wherein the at least one policy is associated with enforcing policies with respect to publication or access to the first or second interfaces (Dick, col. 9, lines 15-24).

17. As per claims 16,32,40,52 Szabo-Dick disclosed wherein the at least one policy is associated with review of data communicated between the server and client nodes (Szabo, col. 11, lines 16-25).

18. As per claim 54 Szabo-Dick disclosed a computer-implemented method for facilitating communication between server and client programs, the method comprising:  
reading a WSDL file associated with a first SOAP interface to at least one server program (Dick, col. 11, lines 31-37); and generating or publishing at least a second SOAP interface corresponding to the first SOAP interface in accordance with at least one policy; wherein at least one client program can use the second SOAP interface to request one or more services (Dick,

col. 11, lines 16-30).

19. As per claim 55 Szabo-Dick disclosed wherein the method further comprises: reading a first UDDI file which lists the first SOAP interface; generating or publishing a second WSDL file which describes the second SOAP interface; and creating or updating at least one UDDI entry associated with the generated or published WSDL file (Dick, col. 11, lines 16-30).

### ***Response to Arguments***

20. Applicant's arguments with respect to claims 1-56 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

21. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO



MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

22. Any inquiry concerning this communication or earlier communication from the examiner should be directed to Adnan Mirza whose telephone number is (571)-272-3885.

23. The examiner can normally be reached on Monday to Friday during normal business hours. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Cardone can be reached on (571)-272-3933. The fax for this group is (703)-746-7239. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

24. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at (866)-217-9197 (toll-free).

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/A. M. M./

Examiner, Art Unit 2145

Adnan Mirza

/Larry D Donaghue/  
Primary Examiner, Art Unit 2454